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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 1 of 11

Attorney Docket No: 543.019US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
KC	US-2001/0013128 A1	08/09/2001	Hagai, M., et al.	12/20/2000
KC	US-2001/0037402 A1	11/01/2001	Schneider, B.-O.	06/25/1998
KC	US-2002/0005850 A1	01/17/2002	Osborne, R. B., et al.	05/22/2001
KC	US-2002/0069400 A1	06/06/2002	Miloushev, V. I., et al.	02/09/2001
KC	US-2003/0086595 A1	05/08/2003	Hu, H., et al.	11/07/2001
KC	US-2003/0156745 A1	08/21/2003	Saito, M., et al.	09/10/2002
KC	US-4,222,076	09/09/1980	Knowlton, K. C., et al.	09/15/1978
	US-4,475,104	10/02/1984	Shen, T. Y.	01/17/1983
	US-4,625,289	11/25/1986	Rockwood, A. P.	01/09/1985
	US-4,737,921	04/12/1988	Goldwasser, S. M., et al.	06/03/1985
	US-4,748,511	05/31/1988	Nicols, J. L., et al.	06/07/1984
	US-4,910,609	03/20/1990	Nicholas, J. L., et al.	02/08/1988
	US-4,985,856	01/15/1991	Kaufman, Aire E., et al.	11/10/1988
	US-4,987,554	01/22/1991	Kaufman, Arie E.	08/24/1998
	US-5,005,126	04/02/1991	Haskin, M. E.	05/31/1988
	US-5,027,110	06/25/1991	Chang, C. L., et al.	06/25/1991
	US-5,038,302	08/06/1991	Kaufman, Arie E.	07/26/1998
	US-5,101,475	03/31/1992	Kaufman, Arie E., et al.	04/17/1989
	US-5,235,510	08/10/1993	Yamada, S., et al.	11/22/1991
	US-5,291,401	03/01/1994	Robinson, B. T.	11/15/1991
	US-5,297,034	03/22/1994	Weinstein, R. S.	01/05/1993
	US-5,321,520	06/14/1994	Inga, J. J., et al.	07/20/1992
	US-5,339,812	08/23/1994	Hardy, T. L., et al.	12/14/1992
	US-5,360,971	11/01/1994	Kaufman, A. A., et al.	01/19/1993
	US-5,408,249	04/18/1995	Wharton, D. B., et al.	11/24/1993
	US-5,432,871	07/11/1995	Novik, D. A.	08/04/1993
	US-5,441,047	08/15/1995	David, D., et al.	05/25/1993
	US-5,442,733	08/15/1995	Kaufman, Arie E., et al.	03/20/1992

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Substitute Disclosure Statement Form (PTO-1449)

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Attorney Docket No: 543.019US1

<input checked="" type="checkbox"/>	US-5,469,353	11/21/1995	Pinsky, H., et al.	11/26/1993
<input checked="" type="checkbox"/>	US-5,482,043	01/09/1996	Zulauf, D. R.	05/11/1994
<input checked="" type="checkbox"/>	US-5,490,221	02/06/1996	Ransford, G. A., et al.	02/28/1992
<input checked="" type="checkbox"/>	US-5,497,435	03/05/1996	Beger, M. A.	02/23/1993
<input checked="" type="checkbox"/>	US-5,513,101	04/30/1996	Pinsky, H., et al.	06/07/1995
<input checked="" type="checkbox"/>	US-5,517,021	05/14/1996	Kaufman, A. A., et al.	10/28/1994
<input checked="" type="checkbox"/>	US-5,544,283	08/06/1996	Kaufman, Arie E., et al.	07/26/1993
<input checked="" type="checkbox"/>	US-5,590,271	12/31/1996	Klinker, G. J.	12/31/1996
<input checked="" type="checkbox"/>	US-5,594,842	01/14/1997	Kaufman, A. E., et al.	09/06/1994
<input checked="" type="checkbox"/>	US-5,594,935	01/14/1997	Reber, W. L., et al.	05/12/1995
<input checked="" type="checkbox"/>	US-5,596,994	01/28/1997	Bro, William L.	05/02/1994
<input checked="" type="checkbox"/>	US-5,603,323	02/18/1997	Pflugrath, L. S., et al.	02/27/1996
<input checked="" type="checkbox"/>	US-5,644,645	07/01/1997	Osuga, Y.	08/22/1994
<input checked="" type="checkbox"/>	US-5,649,173	07/15/1997	Lentz, D.	03/06/1995
<input checked="" type="checkbox"/>	US-5,655,084	08/05/1997	Pinsky, H., et al.	03/01/1996
<input checked="" type="checkbox"/>	US-5,660,176	08/26/1997	Iliff, E. C.	12/29/1993
<input checked="" type="checkbox"/>	US-5,682,328	10/28/1997	Roerber, F. J., et al.	09/11/1996
<input checked="" type="checkbox"/>	US-5,715,823	02/10/1998	Wood, M. A., et al.	09/25/1996
<input checked="" type="checkbox"/>	US-5,730,146	03/24/1998	Itil, T. M., et al.	02/09/1994
<input checked="" type="checkbox"/>	US-5,740,267	04/14/1998	Echerer, S. J., et al.	11/15/1994
<input checked="" type="checkbox"/>	US-5,755,577	05/26/1998	Gillio, R. G.	07/11/1996
<input checked="" type="checkbox"/>	US-5,760,781	06/02/1998	Kaufman, Arie E., et al.	09/30/1997
<input checked="" type="checkbox"/>	US-5,791,908	08/11/1998	Gillio, R. G.	07/11/1996
<input checked="" type="checkbox"/>	US-5,805,118	09/08/1998	Mishra, P., et al.	12/22/1995
<input checked="" type="checkbox"/>	US-5,836,877	11/17/1998	Zavislan, J. M.	02/24/1997
<input checked="" type="checkbox"/>	US-5,838,906	11/17/1998	Doyle, M., et al.	10/17/1994
<input checked="" type="checkbox"/>	US-5,847,711	12/08/1998	Kaufman, Arie E., et al.	08/01/1997
<input checked="" type="checkbox"/>	US-5,882,206	03/16/1999	Gillio, R. G.	03/29/1995
<input checked="" type="checkbox"/>	US-5,883,976	03/16/1999	Ohsawa, H.	12/22/1995
<input checked="" type="checkbox"/>	US-5,903,775	05/11/1999	Murray,	06/06/1996
<input checked="" type="checkbox"/>	US-5,917,929	06/29/1999	Marshall, J., et al.	07/23/1996
<input checked="" type="checkbox"/>	US-5,971,767	10/26/1999	Kaufman, Arie E., et al.	09/16/1996
<input checked="" type="checkbox"/>	US-5,986,662	11/01/1999	Argiro, V. J., et al.	10/16/1996
<input checked="" type="checkbox"/>	US-5,987,345	11/16/1999	Engelmann, R., et al.	11/29/1996
<input checked="" type="checkbox"/>	US-6,008,813	12/28/1999	Lauer, H. C., et al.	08/01/1997
<input checked="" type="checkbox"/>	US-6,070,195	05/30/2000	Yamamoto, K	01/29/1998
<input checked="" type="checkbox"/>	US-6,195,340	02/27/2001	Hatayama,	
<input checked="" type="checkbox"/>	US-6,211,884	04/03/2001	Knittel, J., et al.	11/12/1998
<input checked="" type="checkbox"/>	US-6,219,061	04/17/2001	Lauer, H. C., et al.	05/25/1999
<input checked="" type="checkbox"/>	US-6,230,162	05/08/2001	Kumar, K., et al.	06/20/1998
<input checked="" type="checkbox"/>	US-6,243,098	06/05/2001	Lauer, H. C., et al.	05/25/1999
<input checked="" type="checkbox"/>	US-6,260,021	07/10/2001	Wong, S., et al.	06/12/1998
<input checked="" type="checkbox"/>	US-6,262,740	07/17/2001	Lauer, H. C., et al.	05/25/1999

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Application Number	09/945,479
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First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

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Attorney Docket No: 543.019US1

✓	US-6,266,733	07/24/2001	Knittel, J., et al.	11/12/1998
✓	US-6,272,470	08/07/2001	Teshima, F.	09/03/1997
✓	US-6,283,322	09/04/2001	Liff, Harold J., et al.	02/29/2000
✓	US-6,283,761	09/04/2001	Joao, R. A.	12/31/1999
✓	US-6,289,115	09/11/2001	Takeo, H.	02/12/1999
✓	US-6,293,842	09/25/2001	Belt, F. C.	07/13/2000
✓	US-6,297,799	10/02/2001	Knittel, J., et al.	11/12/1998
✓	US-6,310,620	10/30/2001	Lauer, H. C., et al.	12/22/1998
✓	US-6,313,841	11/06/2001	Ogata, M., et al.	04/13/1998
✓	US-6,331,116	12/18/2001	Kaufman, Arie E., et al.	06/29/1999
✓	US-6,342,885	01/29/2002	Knittel, J. M., et al.	05/20/1999
✓	US-6,343,936	02/05/2002	Kaufman, Arie E., et al.	01/28/2000
✓	US-6,344,861	02/05/2002	Naughton, P. J., et al.	07/28/2000
✓	US-6,356,265	03/12/2002	Knittel, J. M., et al.	05/20/1999
✓	US-6,362,620	03/26/2002	Debbins, Josef P., et al.	12/27/1999
✓	US-6,369,812	04/09/2002	Iyriboz, T. A., et al.	11/26/1997
✓	US-6,369,816	04/09/2002	Knittel, J. M., et al.	05/20/1999
✓	US-6,381,029	04/30/2002	Tipimeni, K.	12/23/1998
✓	US-6,404,429	06/11/2002	Knittel, J. M.	05/20/1999
✓	US-6,407,737	06/18/2002	Zhao, T., et al.	05/20/1999
✓	US-6,411,296	06/25/2002	Knittel, J. M., et al.	05/20/1999
✓	US-6,421,057	07/16/2002	Lauer, H. C., et al.	07/15/1999
✓	US-6,424,346	07/23/2002	Correll, K. W., et al.	07/15/1999
✓	US-6,426,749	07/30/2002	Knittel, J. M., et al.	05/20/1999
✓	US-6,476,810	11/05/2002	Simha, V., et al.	07/15/1999
✓	US-6,483,507	11/19/2002	Osborne, R. B., et al.	05/22/2001
✓	US-6,512,517	01/28/2003	Knittel, J. M., et al.	05/20/1999
✓	US-6,514,082	02/04/2003	Kaufman, Arie E., et al.	10/10/2001
✓	US-6,532,017	03/11/2003	Knittel, J. M., et al.	05/20/1999
✓	US-6,614,447	09/02/2003	Bhatia, V. C., et al.	10/04/2000
✓	US-6,654,012	11/25/2003	Lauer, H. C., et al.	10/01/1999
✓	US-6,674,430	01/06/2004	Kaufman, Arie E., et al.	07/16/1999
✓	US-6,680,735	01/20/2004	Seiler, L. D., et al.	11/17/2000
✓	US-6,683,933	01/27/2004	Saito, M., et al.	05/01/2002
✓	US-6,704,024	03/09/2004	Robotham, J. S., et al.	11/29/2000
✓	US-6,760,755	07/06/2001	Brackett, C. C.	09/22/2000
✓	US-6,826,297	11/30/2004	Saito, M., et al.	05/18/2001
✓	US-6,826,669	11/30/2004	Le, C. H., et al.	05/06/2002
✓	US-6,847,365	01/25/2005	Miller, R. G., et al.	01/03/2000
✓	US-6,847,462	01/25/2005	Kacyra, B. K., et al.	10/23/1998

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional) * Applicant is to place a check mark here if English language Translation is attached

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Application Number	09/945,479
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First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 4 of 11

Attorney Docket No: 543.019US1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
KC	EP-0903694A1	03/24/1999	Lauer, H. C.	
	EP-1001369A2	05/17/2000	Kappler, C J.	
	EP-1001375A2	05/17/2000	Simha, V., et al.	
	EP-1001377A2	05/17/2000	Peet, W., et al.	
	EP-1001379A2	05/17/2000	Knittel, J., et al.	
	EP-1001380A2	05/17/2000	Osborne, R. B., et al.	
	EP-1054347A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054348A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054349A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054351A2	11/22/2000	Knittel, J. M.	
	EP-1054355A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054356A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054357A2	11/22/2000	Knittel, J. M.	
	EP-1054358A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054359A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054383A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054384A2	11/22/2000	Correll, K. W., et al.	
	EP-1054385A2	11/22/2000	Correll, K. W., et al.	
	EP-1069528A2	01/17/2001	Correl, K. W., et al.	
	EP-1069530A2	01/17/2001	Gasparakis, C. E., et al.	
	EP-1069532A2	01/17/2001	Knittel, J. M., et al.	
	EP-1071041A2	01/24/2001	Shimha, V., et al.	
	EP-1081651A2	03/07/2001	Lauer, H. C., et al.	
	EP-1081652A2	03/07/2001	Lauer, H. C., et al.	
	EP-1081653A2	03/07/2001	Lauer, H. C., et al.	
	EP-1089225A2	04/04/2001	Seiler, L. D., et al.	
	EP-1089234A2	04/04/2001	Seiler, L. D., et al.	
	EP-1089235A2	04/04/2001	Lauer, H. C., et al.	
	EP-1093085A2	04/18/2001	Seiler, L. D., et al.	
	EP-1195717A2	04/10/2002	Seiler, L. D., et al.	
	EP-1195718A2	04/10/2002	Yeager, M. O., et al.	
	EP-1195719A2	04/10/2002	Lauer, H. C., et al.	
	EP-1195720A2	04/10/2002	Seiler, L. D., et al.	
	EP-1209618A1	05/29/2002	Lauer, H. C., et al.	
	EP-1209629A1	05/29/2002	Lauer, H. C., et al.	
	JP-11-239165 (w/ English Abstract)	08/31/1999	Hideya, T.	
	JP-2002-183746 (w/ English Abstract)	06/28/2002	Lauer, H. C., et al.	
✓	JP-2002-183747 (w/ English Abstract)	06/28/2002	Lauer, H. C., et al.	

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Examiner Name	Lim, Krisna

Sheet 5 of 11

Attorney Docket No: 543.019US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KC		"2D and 3D Progressive Transmission Using Wavelets", www.cs.wpi.edu/~matt/courses/cs563/talks/Wavelet_Presentation/ , (03/25/1997), 1-6	
		"A Brief Description of the Gibabit Testbed Initiative", http://www0.cnri.reston.va.us/overview/html , (observed July 15, 1999), 7 pgs.	
		"A Prototype Distributed Visualization System", http://www.hpcc.arc.nasa.gov/reports/annrep97/ess/ww42.htm , (observed October 5, 1999), 11 pgs.	
		"Adding Data Visualization to Instrumentation", (Advanced Visual Systems, Inc.) http://www.avsc.com/solution/success/papers/testmea.htm , (observed July 15, 1999), 6 pgs.	
		"An Interactive Remote Visualization Environment for an Electromagnetic Scattering Simulation on a High Performance Computing System", http://www.npac.syr.edu/users/gcheng/CEM/ems.html , (observed July 14, 1999), 2 pgs.	
		"Argonne-USC Researchers Win GII Next Generation Award for Advanced Computing Infrastructure", http://www.npaci.edu/News/98/042298- gusto.html , (observed July 15, 1999), 2 pgs.	
		"Corridor One: An Integrated Distance Visualization Environment for SSI and ASCI Applications", (Proposal to DOE 99-09) http://www- fp.mcs.anl.gov/fil/research/Proposals/co.htm , (observed October 5, 1999), 29 pgs.	
		"Demand for General Availability of Visualization Techniques", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto- 3.html , (observed July 15, 1999), 1 pg.	
		"Department of Defense High-Performance Computing Modernization Office", http://www.ncsa.uiuc.edu/Vis/PET/ , (observed July 15, 1999), 1 pg.	
		"Distributed Visualization Task - 1995 HPCC Annual Review Reports", http://olympic.jpl.nasa.gov/Reports/Highlights95/ML_DVT.html , (observed July 15, 1999), 1 pg.	
		"DOD PET - Trends in Graphics and Visualization", http://www.ncsa.uiuc.edu/Vis/Publications/trends.html , (January, 1998), 3 pgs.	
		"DOD PET Strategic Plan for Visualization", http://www.ncsa.uiuc.edu/Vis/PET/strategy.html , (observed July 15, 1999), 1 pg.	
		"DOD PET Visualization Plan, PET Initiatives", http://www.ncsa.uiuc.edu/Vis/PET/timelineEfforts.html , (observed July 15, 1999), 1 pg.	
		"DOD PET Visualization Plan, Technology Trends", http://www.ncsa.uiuc.edu/ Vis/PET/timelineTrends.html , (observed July 15, 1999), 1 pg.	
		"DOD Pet Visualization Plan, User Needs", http://www.ncsa.uiuc.edu/Vis/PET/timelineNeeds.html , (observed July 15, 1999), 1 pg.	

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<i>K</i>		"EMERGE - Application Projects/Toolkits that will be deployed over EMERGE", http://www.evl.uic.edu/cavern/EMERGE/applications.html , (observed October 7, 1999), 2 pgs.	
		"ERSUG Meeting Minutes", http://home.nersc.gov/about/ERSUG/meeting_info/Apr98_minutes.html , (observed July 15, 1999), 6 pgs.	
		"Experiments in Remote Visualization", http://woodall.ncsa.uiuc.edu/dbock/projects/RemoteViewIndex.html , (observed July 14, 1999), 2 pgs.	
		"Gibabit Testbeds Final Report", http://www.cnri.reston.va.us/gigafr/noframes/section-4-25.htm , (observed July 14, 1999), 4 pgs.	
		"H Innovation Trade Show Brochure", (2001), 2 Pages	
		"High Performance Internet Access for Research and Education in Science and Engineering", (The State University of New Jersey - Rutgers - Grant Proposal) http://ephesus.rutgers.edu/hypernet/origprop.net , (observed July 15, 1999), 10 pgs.	
		"HP Internet Philanthropic Initiative - 1998 Update", http://www.infomed.dia.fi.upm.es/english/HP/proposal1998.html , (observed October 5, 1999), 8 pgs.	
		"Internet 2 Research Applications", (University of Alabama at Birmingham) http://www.uab.edu/internet2/meritapps1.html , (observed July 15, 1999), 1 pg.	
		"Introduction - Data Visualization", http://www.npac.syr.edu/users/gcheng/homepage/thesis/node27.html , (observed July 15, 1999), 2 pgs.	
		"NCSA Report, SIGGRAPH 98: Visualization Software", http://www.ncsa.uiuc.edu/Vis/Publications/SIGGRAPH98/s10.html , (observed July 15, 1999), 1 pg.	
		"NCSA Vis&VE Trip Report: IEEE VR 99 (nee VRAIS99)", http://www.ncsa.uiuc.edu/Vis/Trips/VR99.html , (observed July 15, 1999), 12 pgs.	
		"NCSA Visualization and Virtual Environments", http://www.ncsa.uiuc.edu/Vis/ , (observed July 15, 1999), 2 pgs.	
		"Next Generation Internet - 1999 Program", http://www.er.doe.gov/production/octr/mies/press99-09.html , (observed October 12, 1999), 2 pgs.	
		"Northeast Parallel Architectures Center - Projects", http://www.npac.syr.edu/Projects/index.html , (observed July 15, 1999), 4 pgs.	
		"Northeast Parallel Architectures Center - Mission", http://www.npac.syr.edu/Mission/index.html , (observed October 12, 1999), 1 pg.	
		"Notice Inviting Research Grant Applications", <u>Federal Register</u> , Vol. 64, No. 5, (January 8, 1999), 3 pgs.	

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Substitute Disclosure Statement Form (PTO-1448)

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Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 7 of 11

Attorney Docket No: 543.019US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
K		"PACS - Picture Archiving and Communications Systems", http://www.medfusion.com/Arena/PACS/pacs.html , (observed October 12, 1999), 1 pg.	
		"Progressive Image Transmission", www.vision.ee.ethz.ch/~rsia/talks/RSL_talk/pit_3.html , 1 pg.	
		"Rationale for a WWW-Based Visualization Service", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto-2.html , (observed July 15, 1999), 1 pg.	
		"Scientific Visualization Sites (Mirror)", http://puh.cb.uu.se/~rogerh/visWeblets.html , (observed October 5, 1999), 5 pgs.	
		"TeraRecon's AquariusNET™ Server", (2002), 7 pgs.	
		"The Clinical Practice Guidelines Project", http://www.infomed.dia.fi.upm.es/english/guidelines.html , (observed October 7, 1999), 2 pgs.	
		"The Realization Report: Issue No. 3", http://www.itd.nrl.navy.mil/ONR/realization_report/rosenblum.003.html , (observed July 15, 1999), 4 pgs.	
		"Use of Remote Visualization Methods", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto-4.html , (observed July 15, 1999), 1 pg.	
		"Vol. III - Technical Proposal for Collaborative Interaction and Visualization", (BAA 93-01-PKRD) http://www.npac.syr.edu/users/gcf/romelabciv/prop.html , (observed October 12, 1999), 28 pgs.	
		"Web-Based Visualization Server for 3D Reconstruction", http://felix.uttm.ro/~dradoiu/ip/Laborator/application.html , (observed October 12, 1999), 4 pgs.	
		ANG, C. S., et al., "Integrated Control of Distributed-Volume Visualization Through the World-Wide-Web", <u>Proceedings of the IEEE Conference Visualization '94</u> , (1994), 13-20	
		BAJAJ, C. L., et al., "The VAIDAK Medical Image Model Reconstruction Toolkit", <u>Proceedings of the 8th SIGAPP Symposium on Applied Computing</u> , (Abstract Only), (1993), 1 pg.	
		BAKER, M. P., et al., "Battleview: Touring a Virtual Battlefield", http://www.ncsa.uiuc.edu/Vis/Publications/bv98.html , (observed July 15, 1999), 5 pgs.	
		BAKER, M. P., et al., "Visualization of Damaged Structures", http://www.ncsa.uiuc.edu/Vis/Publications/damage.html , (observed July 15, 1999), 6 pgs.	
		BOCK, D., et al., "Collaborative Visualization", http://www.ncsa.uiuc.edu/Vis/Publications/collabFramework.html , (observed July 15, 1999), 6 pgs.	

EXAMINER

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Application Number 09/945,479

Filing Date August 31, 2001

First Named Inventor Hu, Hui

Group Art Unit 2153

Examiner Name Lim, Krisna

Sheet 8 of 11

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K		BOCK, D., "Remote Visualization Using the World Wide Web", http://www.ncsa.uiuc.edu/Vis/Publications/remoteVisHTTP.html , (observed July 15, 1999), 5 pgs.	
		BOSSART, P.-L., "Hypertools in Image and Volume Visualization", <u>Proceedings of the Fourth Annual Tcl.Tk Workshop, (Abstract Only)</u> , (1996), 1 pg.	
		CASEY, B., "HInnovation Adds Internet Wrinkle to 3-D Imaging", http://www.auntminnie.com/index.asp?sec=rca&sub=def&pag=dis&ItemID=50700 , (observed December 11, 2002), 1 pg.	
		CAVANAGH, P. M., et al., "Commentary - Delivering Imaging to Primary Care in the Next Millennium", <u>The British Journal of Radiology</u> , 71, (1998), 805-807	
		CHEN, L. S., et al., "A Distributed and Interactive Three-Dimensional Medical Image System", <u>Computerized Medical Imaging and Graphics</u> , 18(5), (1994), 325-337	
		CIMINO, C., et al., "Clinical Applications of an ATM/Ethernet Network in Departments of Neuroradiology and Radiotherapy", <u>Stud Health Technol Inform.</u> , 43(Part B), (1997), 606-610	
		COLEMAN, J., et al., "TeleInViVo: A Collaborative Volume Visualization Application", <u>Stud Health Technol Inform.</u> 39, (1997), 115-124	
		ĆOSIĆ, D., "An Open Medical Imaging Workstation Architecture for Platform- Independent 3-D Medical Image Processing and Visualization", <u>IEEE Transactions on Information Technology in Biomedicine</u> , 1(4), (1997), 279-83	
		DOBBINS, H., et al., "Multisite Three-Dimensional Brain Visualization", http://www.uab.edu/internet2/ala_tele-collaboration.html , (observed October 12, 1999), 1 pg.	
		EICHELBERG, M., et al., "RETAIN: Multimedia Teleradiology on the Pan- European Information Superhighway", <u>CAR' 96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only)</u> , (1996), 1 pg.	
		FERNANDEZ, I., et al., "ARMEDA: Accessing Remote Medical Databases Over the World Wide Wide", http://www.infomed.dia.fi.upm.es/Armeda/armeda_MIE97.html , (observed October 7, 1999), 4 pgs.	
		FURUIE, S., et al., "Telemedicine: Remote Analysis and Quantification of Nuclear Medicine Images Using Java", http://incor.usp.br/spdweb/projects/p22/p22.html , (observed October 12, 1999), 2 pgs.	
		HENDIN, O., et al., "Medical Volume Rendering Over the WWW Using VRMP and JAVA", <u>Stud Health Technol Inform.</u> 50, (1998), 34-40	
		HENRI, C. J., et al., "Design and implementation of World Wide Web-based tools for image management in computed tomography, magnetic resonance imaging, and ultrasonography", <u>Journal of Digital Imaging</u> , 10(3 Suppl 1), (1997), 77-79	

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PTO/SB/08A(10-01)
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Complete if Known Application Number Filing Date First Named Inventor Group Art Unit Examiner Name	09/945,479
	August 31, 2001
	Hu, Hui
	2153
	Lim, Krisna
Sheet 9 of 11	Attorney Docket No: 543.019US1

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Kc		HIGHTOWER, D., et al., "Computer Radiology: Ship to Shore", <u>CAR '96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only), (1996), 1 pg.</u>	
		KIM, N., et al., "Web Based 3-D Medical Image Visualization on the PC", <u>Proceedings of the 9th World Congress on Medical Informatics MEDINFO '98, 9 (Part 2), (1998), 1105-1110</u>	
		KINDRATENKO, V., et al., "Sharing Virtual Environments Over a Transatlantic ATM Network in Support of Distant Collaboration in Vehicle Design", <u>http://www.ncsa.uiuc.edu/VEG/DVR/VE98/article.html, (observed July 15, 1999), 8 pgs.</u>	
		LEE, J. S., et al., "Volumetric Visualization of Head and Neck CT Datas for Treatment Planning", <u>International Journal of Radiology, Oncology, Biology, Physics, 44(3), (Abstract Only), (1999), 2 pgs.</u>	
		LEIGH, J., et al., "LIMBO/TK: A Tool for Rapid Tele-Immersive Visualization", <u>Proceedings of IEEE Visualization '98, (1998), 4 pgs.</u>	
		LIU, P.-W., et al., "Distributed Computing: New Power for Scientific Visualization", <u>IEEE Computer Graphics and Applications, 16(30), (1996), 42-51</u>	
		LU, T., et al., "Compression Techniques in Teleradiology", <u>Proceedings of the SPIE (Vol. 3808), Applications of Digital Image Processing XXII, (Abstract Only), (1999), 1 pg.</u>	
		MACEDONIA, M. R., et al., "A Transatlantic Research and Development Environment", <u>IEEE Computer Graphics and Applications, 17(2), (1997), 76-82</u>	
		MAKRIS, L., et al., "Teleworks: A CSCW Application for Remote Medical Diagnosis Support and Teleconsultation", <u>IEEE Transactions on Information Technology in Biomedicine, 2(2), (June, 1998), 62-73</u>	
		MALASSIOTIS, S., et al., "Coding and Visualization oof 3D Medical Data for Low Bitrate Communication", <u>CAR '96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only), (1996), 1 pg.</u>	
		MÄRKLE, S., et al., "Distributed Visualization - How to improve the quality of 3D medical volume rendering at almost no costs", <u>Europacs, October, 1998,</u>	
		MARTIN, D. C., et al., "Libraries in the Information Age", <u>http://www.ckm.ucsf.edu/papers/LibraryInformationAge/, (observed October 5, 1999), 3 pgs.</u>	
		MERCURIO, P. J., et al., "The Distributed Laboratory: An Interactive Visualization Environment for Electron Microscope and 3D Imaging", <u>http://www.acm.org/pubs/toc/Abstracts/cacm/129891.html, (observed July 15, 1999), 2 pgs.</u>	
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	Application Number	09/945,479
	Filing Date	August 31, 2001
	First Named Inventor	Hu, Hui
	Group Art Unit	2153
	Examiner Name	Lim, Krisna
Sheet 10 of 11	Attorney Docket No: 543.019US1	

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KLC		MUN, S. K., et al., "Health Care Using High-Bandwidth Communication to Overcome Distance and Time Barriers for the Department of Defense", <u>Proceedings of the SPIE (Vol. 1785) - Enabling Technologies for High-Bandwidth Applications, (Abstract Only), (1993), 1 pg.</u>	
		NAPEL, S., "3D Displays for Computed Tomography", <u>In: Medical CT and Ultrasound: Current Technology and Applications, Published by Advanced Medical Publishing, (1995), 603-626</u>	
		NORRIS, P. R., et al., "Reliable Remote Visualization of Real-Time Biomedical Data", <u>(Abstract Only), (1998), 1 pg.</u>	
		ORPHANOUDAKIS, S. C., et al., "Technological advances in teleradiology", <u>European Journal of Radiology, 22(3), (June 1996), 205-217</u>	
		PANDYA, A. S., et al., "3D Reconstruction, Visualization, and Measurement of MRI Images", <u>Proceedings of the SPIE (Vol. 3640) - Three-Dimensional Image Capture and Applications II, (Abstract Only), (1999), 1 pg.</u>	
		PELIZZARI, S. A., et al., "Volumetric Visualization of Anatomy for Treatment Planning", <u>International Journal of Radiation, Oncology, Biology, Physics, 34(1), (Abstract Only), (1996), 2 pgs.</u>	
		PHALKE, V., "Remote Visualization for Computational Simulations", <u>http://www.science.doe.gov/sbir/awards_abstracts/sbir/cycle16/phase1/024.htm, (observed October 12, 1999), 1 pg.</u>	
		PRIOR, F., et al., "Communication Technology for Telemedicine", <u>Proceedings of the National Forum: Military Telemedicine On-line Today Research Practice and Opportunities, (1995), 1 pg.</u>	
		RHEE, T. H., et al., "An Effective Visualization Technique for Huge Volume Data", <u>Journal of KISS(A) (Computer Systems and Theory), (Abstract Only), (1997), 1 pg.</u>	
		ROBB, R. A., et al., "Patient-Specific Anatomic Models from Three Dimensional Medical Image Data for Clinical Applications in Surgery and Endoscopy", <u>Journal of Digital Imaging, 10(3,1), (Abstract Only), (1997), 1 pg.</u>	
		ROUSH, W., "To Johnson, the Grid Means Access", <u>NAS News, (1999), 2 pgs.</u>	
		RUGGIERO, C., "Teleradiology: A Review", <u>Journal of Telemedicine and Telecare, 4, (1998), 25-35</u>	
		SAKAMOTO, Y., et al., "Three-Dimensional Segmentation of Magnetic Resonance Images Using Neural Network", <u>Proceedings of ACCV '95. Second Asian Conference on Computer Vision, Vol. 1, (Abstract Only), (1995), 1 pg.</u>	
		SALOMIE, A., et al., "A Teleworking Tool With Progressive Transmission Capabilities for Medical Images", <u>CARS '99 Computer Assisted Radiology and Surgery. Proceedings of the 13th International Congress and Exhibition, (Abstract Only), (1999), 1 pg.</u>	

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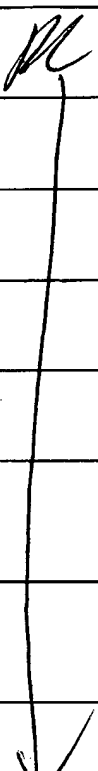
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		SAMOTHRAKIS, S. , et al., "WWW Creates New Interactive 3D Graphics and Collaborative Environments for Medical Research and Education", <u>International Journal of Medical Informatics</u> , 47(1-2), (1997),69-73	
		SANTARELLI, M. F., et al., "A Parallel System for Dynamic 3D Medical Imaging", <u>Proceedings of High-Performance Computing and Networking. International Conference and Exhibition, (Abstract Only)</u> , (1997),1 pg.	
		SILVERSTEIN, et al., "Web-Based Segmentation and Display of Three-Dimensional Radiologic Image Data", <u>Stud Health Technol Inform.</u> , 50, (1998),53-59	
		SMITH, P. H., et al., "Data and Visualization Corridors: Report on the 1998 DVC Workshop Series", Rosedale, California Institute of Technology Report CACR - 164,(September, 1998),54 Pages	
		WILKINSON, E. P., et al., "Remote-Rendered 3D CT Angiography (3DCTA) as an Intraoperative Aid in Cerebrovascular Neurosurgery", <u>Computer Aided Surgery</u> , 4, (1999),256-263	
		WONG, S. T., et al., "Interactive Query and Visualization of Medical Images on the World Wide Web", http://web.archive.org/20000412115341/http://www.lri.ucsf.edu/polymap/paper/spie96.html (Archived April 12, 2000), 11 pages	
		YUN, D. Y., et al., "Sharing Computational Resources and Medical Images Via ACTS-Linked Networks", PTR June 1996, http://web.ptc.org/library/ptr/june96/2.html , observed November 3, 2003,14 pages	
		ZUIDERVELD, K. J., et al., "Clinical Evaluation of Interactive Volume Visualization", <u>Proceedings of the 7th Conference on Visualization '96</u> , (1996),367-370	

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